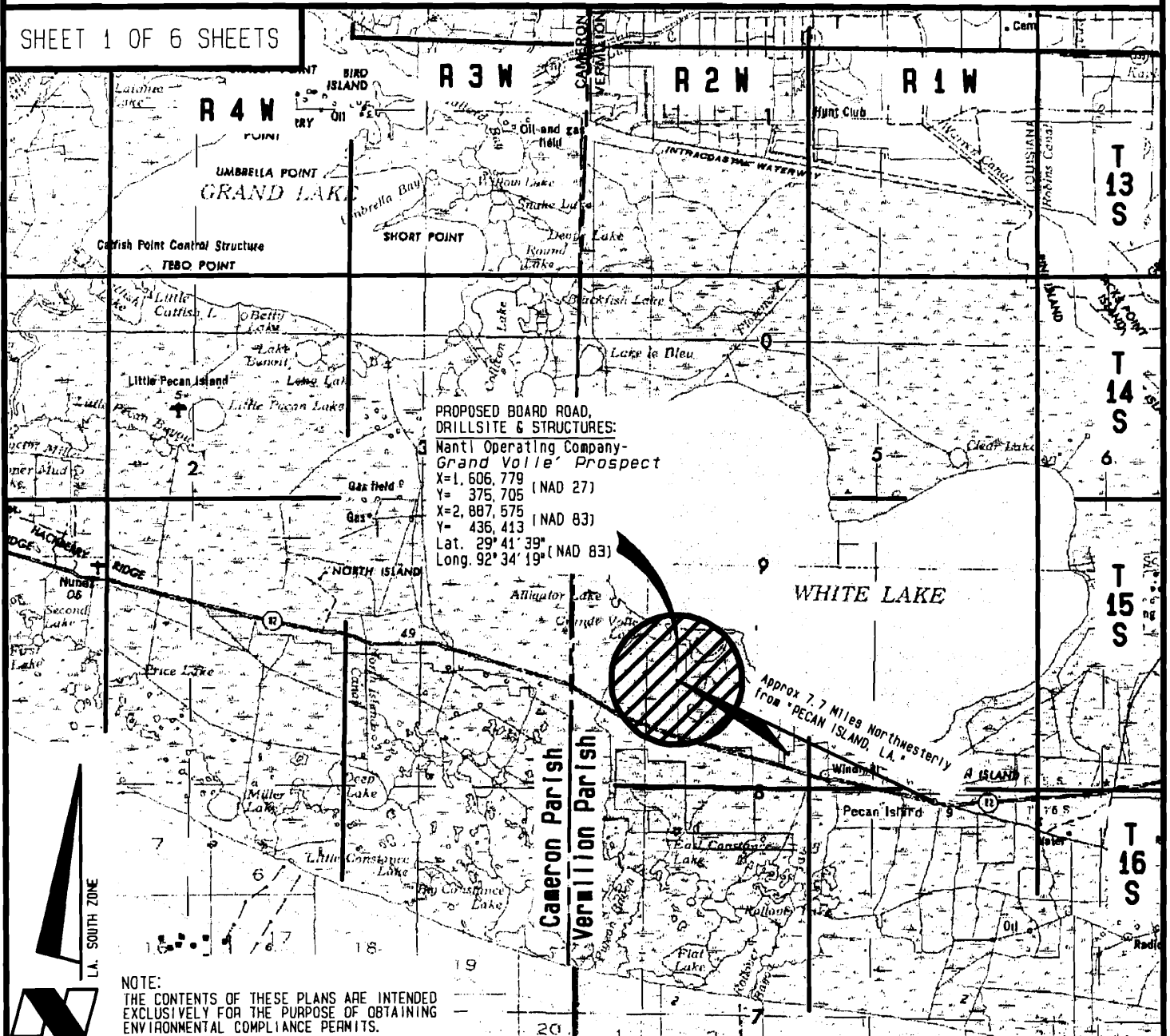


SHEET 1 OF 6 SHEETS



REVISED: 06/25/07 RLL  
07/03/07 RLL  
07/27/07 RLL

Topography obtained from U.S. Geological Survey  
Map "PORT ARTHUR, TX., LA." 1956 Edition, Revised 1978.

#### VICINITY MAP

Scale: 1: 250,000

Drawn By: SRL  
Proj. Mgr.: RLL

Application By:

**MANTI OPERATING COMPANY**

June 6, 2007

## PROPOSED BOARD ROAD, DRILLSITE & STRUCTURES

For Drilling Grand Volle' Prospect

Section 21, T15S-R2W

Vermilion Parish, Louisiana

l:/infocad/pcx/usgs/la/drg/south/250k 12  
2071329 l:/infocad/west/IMAGE 148

PREPARED BY C. H. Fenstermaker & Associates, Inc., Lafayette & New Orleans, Louisiana, & Houston, Texas

SHEET 2 OF 6 SHEETS

R 2 W

Sec. 17

Sec. 16

Sec. 15

Sec. 14

PROPOSED BOARD ROAD,  
DRILLSITE & STRUCTURES:  
Manti Operating Company-  
Grand Valle' Prospect  
X=1,606,779  
Y= 375,705 (NAD 27)  
X=2,887,575  
Y= 436,413 (NAD 83)  
Lat. 29° 41' 39" (NAD 83)  
Long. 92° 34' 19" (NAD 83)

SEE PLAN  
VIEW A

Proposed  
Drillsite

Sec. 20

Sec. 21

Sec. 22

Sec. 23

Floating Turf

Sec. 29

Sec. 28

Sec. 27

Sec. 26

SEE PLAN  
VIEW B

Proposed  
Board Road  
(±9020')

LA SOUTH ZONE

NOTE:  
THE CONTENTS OF THESE PLANS ARE INTENDED  
EXCLUSIVELY FOR THE PURPOSE OF OBTAINING  
ENVIRONMENTAL COMPLIANCE PERMITS.

Sec. 33

Sec. 34

Sec. 35

REVISED: 06/25/07 RLL  
07/03/07 RLL  
07/27/07 RLL

Topography obtained from U.S.  
Geological Survey Quadrangle  
"FLOATING TURF BAYOU, LA." 1979 Edition.

VICINITY MAP

2000' 1000' 0' 2000'  
Scale: 1" = 2000'

Application By:

**MANTI OPERATING COMPANY**

June 6, 2007

i:/infocad/pcx/usgs/la/drg/south 175  
2071329 i:/infocad/rangew/15S2W 68

**PROPOSED BOARD ROAD, DRILLSITE & STRUCTURES**

For Drilling *Grand Valle' Prospect*

Section 21, T15S-R2W

Vermillion Parish, Louisiana

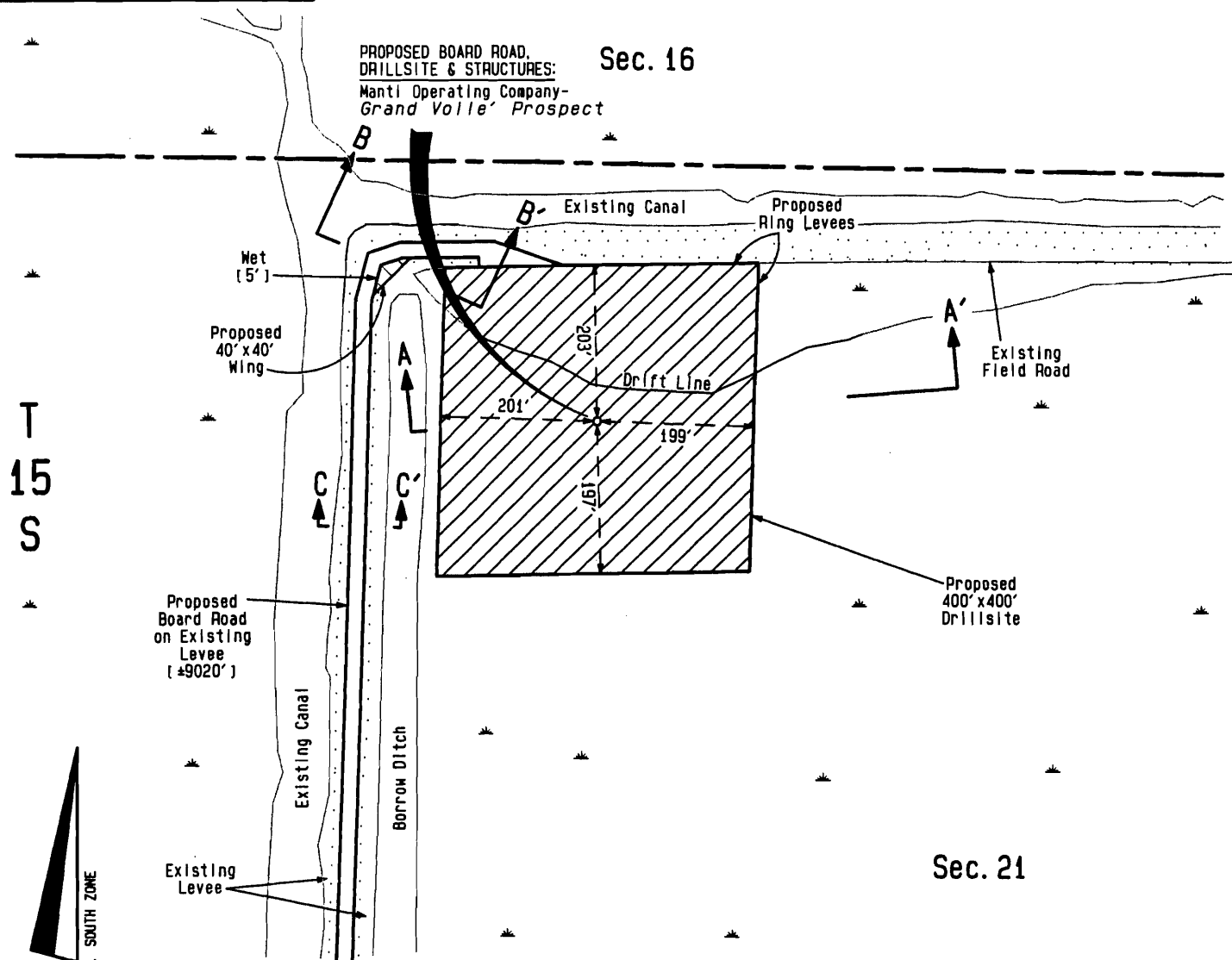
PREPARED BY: C.H. Fenstermaker & Associates, Inc., Lafayette & New Orleans, Louisiana, & Houston, Texas

SHEET 3 OF 6 SHEETS

R 2 W

Sec. 16

PROPOSED BOARD ROAD,  
DRILLSITE & STRUCTURES:  
Manti Operating Company-  
Grand Volle' Prospect



NOTE:  
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ENVIRONMENTAL COMPLIANCE PERMITS.

TREES WILL BE CUT AND TRIMMED  
ALONG PROPOSED BOARD ROAD  
ON EXISTING FIELD ROAD

REVISED: 06/25/07 RLL  
07/03/07 RLL  
07/27/07 RLL

Topography obtained from U.S.  
Geological Survey Quadrangle  
"FLOATING TURF BAYOU, LA." 1979 Edition.

PLAN VIEW A

200' 100' 0' 200'  
Scale: 1" = 200'

Application By:

MANTI OPERATING COMPANY

June 6, 2007

## PROPOSED BOARD ROAD, DRILLSITE & STRUCTURES

For Drilling *Grand Volle' Prospect*

Section 21, T15S-R2W

Vermilion Parish, Louisiana

2071329 I: /Infocad/rangew/15S2W 69

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SHEET 4 OF 6 SHEETS

R 2 W

T  
15  
S

Existing  
Bridge

Proposed  
Board Road  
on Existing Levee  
(±9020')

Proposed  
24'x24"  
Culvert

Wet

G

Proposed  
60'x60'  
Wings

Existing  
Driveway

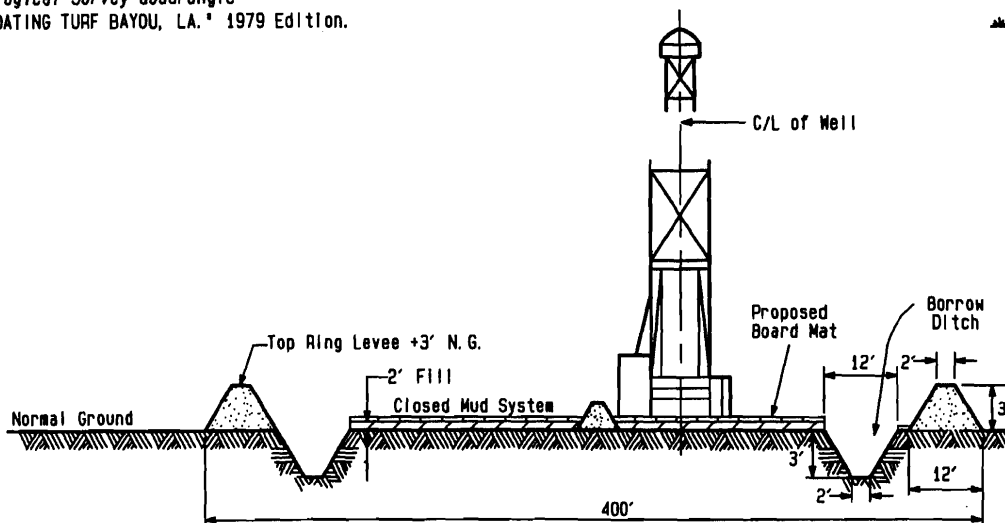
L.A. State Hwy. 82

PLAN VIEW B

100' 50' 0' 100'

Scale: 1" = 100'

Topography obtained from U.S.  
Geological Survey Quadrangle  
"FLOATING TURF BAYOU, LA." 1979 Edition.



CROSS SECTION A-A'

No Scale

REVISED: 06/25/07 RLL  
07/03/07 RLL  
07/27/07 RLL

NOTE:  
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ENVIRONMENTAL COMPLIANCE PERMITS.

Application By:

MANTI OPERATING COMPANY

June 6, 2007

PROPOSED BOARD ROAD, DRILLSITE & STRUCTURES

For Drilling *Grand Voile' Prospect*

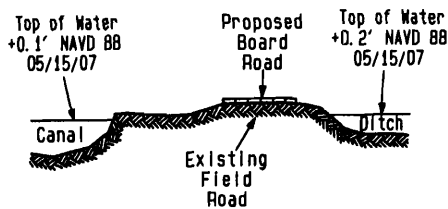
Section 21, T15S-R2W

Vermillion Parish, Louisiana

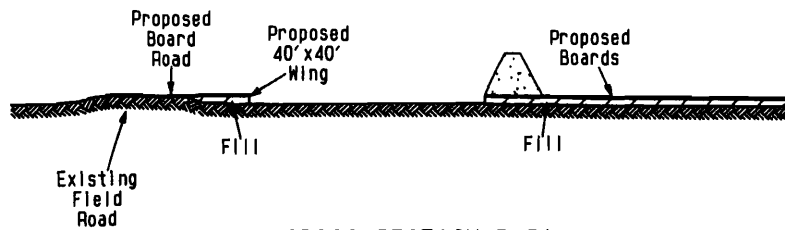
2071329 I:/infocad/rangew/15S2W 69

PREPARED BY: C.H. Fenstermaker & Associates, Inc., Lafayette & New Orleans, Louisiana, & Houston, Texas

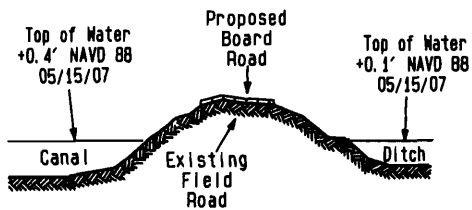
SHEET 5 OF 6 SHEETS



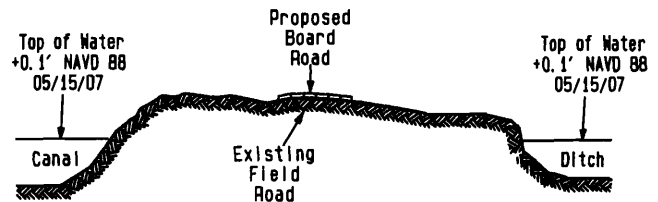
CROSS SECTION E-E'  
No Scale



CROSS SECTION B-B'  
No Scale



CROSS SECTION C-C'  
No Scale



CROSS SECTION D-D'  
No Scale

REVISED: 06/25/07 RLL  
07/03/07 RLL  
07/27/07 RLL

NOTE:  
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EXCLUSIVELY FOR THE PURPOSE OF OBTAINING  
ENVIRONMENTAL COMPLIANCE PERMITS.

Application By:

**MANTI OPERATING COMPANY**

June 6, 2007

## PROPOSED BOARD ROAD, DRILLSITE & STRUCTURES

For Drilling *Grand Volle'* Prospect

Section 21, T15S-R2W

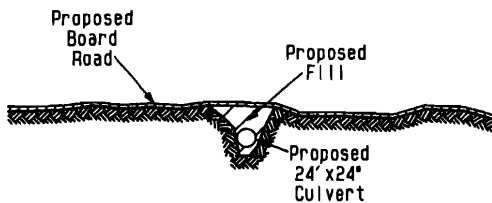
Vermilion Parish, Louisiana

2071329 I:/Infocad/rangew/15S2W 69

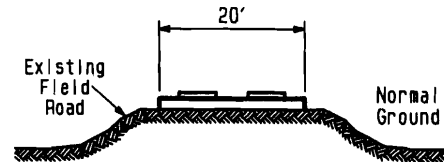
PREPARED BY: C.H. Fenstermaker & Associates, Inc., Lafayette & New Orleans, Louisiana, & Houston, Texas

SHEET 6 OF 6 SHEETS

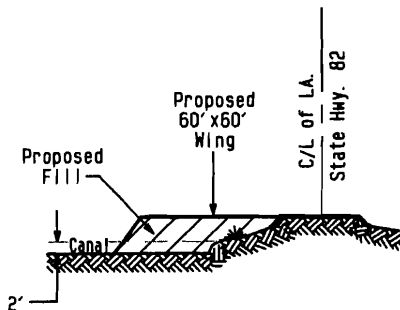
FILL REQUIRED FOR RING LEVEES . . . . . 1244 CU YDS  
 FILL REQUIRED FOR CULVERT . . . . . 9 CU YDS  
 FILL REQUIRED FOR DRILLSITE & WING. . . 18,540 CU YDS



**CROSS SECTION F-F'**  
 No Scale



**TYPICAL BOARD ROAD**  
 No Scale



**CROSS SECTION G-G'**  
 No Scale

**NOTES:**

1. Material for drillsite levees will be taken from within the leveed perimeter.
2. The drillsite and ring levees will be degraded within 90 days following abandonment. The material will be deposited to the extent practicable into the borrow areas from which the material was excavated and the area leveled and restored to as near preproject conditions as practicable.
3. In the event the well is productive, boards may be replaced with gravel or other suitable permitizing material and the area restored except for the minimum area required for production.
4. Closure procedures, including onsite land treatment and/or offsite disposal of mud pit contents and other drilling residues, shall be conducted in accordance with appropriate Federal and State Regulations.
5. Fill for drillsite & wing to be hauled in from an offsite location.

REVISED: 06/25/07 ALL  
 07/03/07 ALL  
 07/27/07 ALL

NOTE:  
 THE CONTENTS OF THESE PLANS ARE INTENDED  
 EXCLUSIVELY FOR THE PURPOSE OF OBTAINING  
 ENVIRONMENTAL COMPLIANCE PERMITS.

Application By:  
**MANTI OPERATING COMPANY**

June 6, 2007

**PROPOSED BOARD ROAD, DRILLSITE & STRUCTURES**

For Drilling *Grand Valle' Prospect*

Section 21, T15S-R2W

Vermilion Parish, Louisiana